



**MINI PROJECT  
REPORT ON  
“AKPP Vaccine Centre”**

**Submitted By**

**“Miss. Prajakta Lalit Patil (21144)  
Mr. Paritosh Santosh Bitode (21029)  
Mr. Avdhut Ananda Kumbhar (21106)  
Mr. Kulbhushan Sadanand Desai (21048)”**

**Under the Guidance of**

**“Prof. Milind Deshkar”**

**Submitted To**

**Savitribai Phule Pune University**

**As a partial fulfilment for the award of  
the degree of  
MASTER OF COMPUTER APPLICATION**

**Semester : 1**

**At  
ASM's  
Institute of Business Management and  
Research, Chinchwad, Pune-19**

**(Affiliated to SPPU & Approved by AICTE)**

**Session : 2021-20**

## INDEX

<b>Sr. No.</b>	<b>Content</b>	<b>Page No.</b>
<b>1.</b>	<b>Introduction of Project</b> <ul style="list-style-type: none"><li>• Introduction</li><li>• Organization Profile</li></ul>	<b>4</b>
<b>2.</b>	<b>System Analysis</b> <ul style="list-style-type: none"><li>• Identification of Need</li><li>• Scope of the Project</li><li>• Existing System</li><li>• Proposed System</li></ul>	<b>6</b>
<b>3.</b>	<b>Feasibility Study</b> <ul style="list-style-type: none"><li>• Technical Feasibility</li><li>• Economic Feasibility</li><li>• Operational Feasibility</li></ul>	<b>10</b>
<b>4.</b>	<b>System Requirement</b> <ul style="list-style-type: none"><li>• Software Requirement</li><li>• Hardware Requirement</li><li>• Front End</li><li>• Back End</li></ul>	<b>11</b>
<b>5.</b>	<b>About Java</b>	<b>12</b>
<b>6.</b>	<b>About MySQL Database</b>	<b>13</b>

<b>7.</b>	<b>Data Dictionary</b>	<b>14</b>
<b>8.</b>	<b>System Design</b> <ul style="list-style-type: none"> <li>• System Development Life Cycle</li> <li>• Data Flow Diagram</li> <li>• Entity Relationship Diagram</li> <li>• Usecase Diagram</li> <li>• Sequence Diagram</li> </ul>	<b>19</b>
<b>9.</b>	<b>Screen Shots Validation Checks</b>	<b>28</b>
<b>10.</b>	<b>Validation Check</b>	<b>46</b>
<b>11.</b>	<b>Implementation</b>	<b>49</b>
<b>12.</b>	<b>Future scope of the Mini Project</b>	<b>67</b>
<b>13.</b>	<b>Bibliography/References/Glossary</b>	<b>58</b>



# **INTRODUCTION OF PROJECT**

## **1.INTRODUCTION**

Managing vaccines is an integral part of a Medical practice while becoming more important for many other Medical Specialties and Healthcare facilities. Many medical Practices are still using either a paper process or a manual process for inventory management and recording administration of vaccines. These manual processes take hours of time each month and most have problems with accuracy and consistency.

Online vaccine management is a web-based system that streamlines the workflow of vaccine management for Medical Facilities including managing inventory of vaccines and administering the vaccines. Practices should be able to easily track vaccines from arrival to the office/medical facility until the vaccine is administered to a patient. This includes being able to identify the exact patients that a vaccine shipment was administered to.

## 2.ORGANIZATION PROFILE

Organization Name : Alpha Ltd.

Venue : Pune

Contact No. : 8698203868

Owner : Mr Raj Patil Sir

Area Of Work : Chinchwad



## SYSTEM ANALYSIS

### 1. IDENTIFICATION OF NEED

- AKPP Vaccine Centre Web will help in identifying target groups, keep a track of those to be administered the doses and prevent malpractices. The central government started the vaccination drive against the coronavirus.
- So, we are developed a web, AKPP Vaccine Centre, which will be used to manage the inoculation drive.
- AKPP Vaccine Centre application is the digital backbone for the vaccination drive in India. With scaling up of vaccination, the number of vaccination facilities and sessions must be increased and managed effectively.
- For the Instruction of Central Government, Coronavirus Social and physical Distancing and Self-Quarantine, we need an Online Vaccine Portal to make easy for Citizens.
- The AKPP Vaccine Centre is used to register and acknowledge vaccination beneficiaries, to allocate vaccination centres and aids in monitoring recipients. It is also needed for health authorities to monitor the COVID-19 vaccines in real-time.

## 2. SCOPE OF THE PROJECT

- Trust in healthcare institutions plays a major role in public health as it reflects patients' compliance with the medical care system and better utilization of the resources available.
- The ongoing COVID-19 pandemic has surfaced the declining trust in both the public and private healthcare systems in India.”
- There are many vaccination centres in India for vaccination so to check the availability of different vaccination in different centres across India.
- We will be building a simple website for getting the details about vaccination centres in India.
- Lot of people are using online platform So majority of people for booking slots of vaccination on websites and apps.

### 3.EXISTING SYSTEM

Has to be found them the existing manual system work as follows:

- The present system is maintained manually and involves many registers. If some previous record all the register must be searched until the required found.
- Existing manual system partly worked on register and clerk work. Here each record is written manually and consumes lot of time.
- All the calculation and work is done manually so the error rate is high.
- Validation, deletion and updating of any record are done manually.



## 4. PROPOSED SYSTEM

The aim of this website is to manage mass vaccination, including vaccine distribution and administration. The proposed system is designed to provide real-time access to vaccine distribution centers. The system will also reduce the manual efforts and cost required for paper work. So, it will benefit the both public and government.

Hospitals can now remind patients about vaccination updates with the Vaccination Management System. This software sends SMSs to parents on a time-to-time basis based on the vaccination profile so that they don't miss a date.

This tailor-made medical software enhances the performances of Clinics, Hospitals and Doctors thereby avoiding delays and clashes that crop up during the normal course of time. Technology has certainly paved the way for a better management, thereby enriching hospitality. This portal provides 24x7 facility there is no any time limitation.



## **FEASIBILITY STUDY**

### **1. Technical Feasibility**

In Technical Feasibility current resources i.e., both hardware and software along with required technology are analysed to develop this project. Used resources are acceptable to build the project.

### **2. Economic Feasibility**

In this AKPP vaccine centre. There was system requirement of one laptop and few software as we used open-sourced software cost have reduced to great extent. So these project is beneficial in terms of finance.

### **3. Operational Feasibility**

This AKPP vaccine centre is designed for contact tracing of users. It supposed to help people to get register themselves, search vaccination centre, book a vaccination slot, get done with vaccination and provide certificate for the same.



## REQUIREMENTS

### 1 . SOFTWARE REQUIRMENTS :-

- ❖ Apache NetBeans IDE 12.6
- ❖ Jdk-17.0.2
- ❖ XAMPP Control Panel v3.3.0

### 2 . HARDWARE REQUIRMENTS :-

- ❖ Dual core or higher processor
- ❖ 2GB of RAM
- ❖ 20GB of Hard Disk
- ❖ 1 keyboard, 1 mouse

### 3 . FRONT END:-

- ❖ Jsp(HTML,CSS)

### 4 . BACK END:-

- ❖ MySQL



## About Java

Java is a programming language. It was first developed by James Gosling at Sun Microsystems, which is now a part of Oracle Corporation.

It was released in 1995 as a part of Sun Microsystems' java platform.

The language has developed much of its syntax from C and C++.

Java applications are usually compiled to byte code (class file) that can run on any Java Virtual Machine (JVM).

Java is currently one of the most popular programming languages being used. It has about 10 million users.

Java and JavaScript is not the same thing in fact they are not even related.

JavaScript is a scripting language which is used mainly inside of web browsers.



## About MySQL

SQL Server is Microsoft's relational database management system (RDBMS). It is a full-featured database primarily designed to compete against competitors Oracle Database (DB) and SQL.

Like all major RDBMS, SQL Server supports ANSI SQL, the standard SQL language. However, SQL Server also contains T-SQL, its own SQL implementation. SQL Server Management Studio (SSMS) (previously known as Enterprise Manager) is SQL Server's main interface tool, and it supports 32-bit and 64-bit environments. SQL Server is sometimes referred to as MSSQL and Microsoft SQL Server.

Originally released in 1989 as version 1.0 by Microsoft, in conjunction with Sybase, SQL Server and its early versions were very similar to Sybase. However, the Microsoft-Sybase partnership dissolved in the early 1990s, and Microsoft retained the rights to the SQL Server trade name. Since then, Microsoft has released 2000, 2005, 2008 and 2014 versions, which feature more advanced options and better security.

SQL Server is offered in several editions with different feature set and pricing options to meet a variety of user needs, including the following:

- Enterprise: Designed for large enterprises with complex data requirements, data warehousing and Web-enabled databases. Has all the features of SQL Server, and its license pricing is the most expensive
- Standard: Targeted toward small and medium organizations. Also supports e-commerce and data warehousing.
- Workgroup: For small organizations. No size or user limits and may be used as the backend database for small Web servers or branch offices.
- Express: Free for distribution. Has the fewest number of features and limits database size and users. May be used as a replacement for an Access data.

## Data Dictionary

### 1.Citizen

Field Name	Datatype	Constrain t	Descriptio n
email	varchar(50)	Not Null	User's Email id
passwd	varchar(50)	Not Null	User's Password
confirm_passw d	varchar(50)	Not Null	Confirm Password
full_name	varchar(10 0)	Not Null	User's Full name
mobile	varchar(10)	Not Null	User's Mobile no
aadhar	varchar(12)	Not Null	User's Aadhar no
gender	varchar(10)	Not Null	Female Or Male
bdate	date	Not Null	User's DOB

## 2.Booking

Field Name	Datatype	Constraint	Description
booking_id	int(11)	Not Null	Booking id
booking_date	date	Not Null	Booking date
dose_no	varchar(20)	Not Null	Dose no
vaccine_type	int(11)	Not Null	Type
vaccine_date	date	Not Null	Date
vaccine_slot	varchar(20)	Not Null	Time
centre_id	int(11)	Not Null	Centre id
status	varchar(20)	Not Null	Status
email	varchar(50)	Not Null	Email id

### 3.Vaccine\_centre

Field Name	Datatype	Constraint	Description
centre_id	int(11)	Not Null	Centre' id
Name_of_the_Vaccination_site	text	Not Null	Name of centre
Address	text	Not Null	Address of centre
State	text	Not Null	State
District	text	Not Null	District

### 4.Admin

Name	Type	Constraint	Description
admin_id	varchar(10)	Not Null	Admin's ID
admin_pwd	varchar(10)	Not Null	Admin's password
admin_name	varchar(20)	Not Null	Admin's Name



## 5.Stock

Name	Type	Constraint	Description
stock_id	int(11)	Not Null	Stock id
stock_date	date	Not Null	Staock date
centre_id	int(11)	Not Null	Centre id
covishield_qty	int(11)	Not Null	Covishield qty
covaxin_qty	int(11)	Not Null	Covaxin qty
polio_qty	int(11)	Not Null	Polio qty
rabies_qty	int(11)	Not Null	Rabies qty
rotavirus_qty	int(11)	Not Null	Rotavirus qty
yellowfever_qty	int(11)	Not Null	Yellowfever qty

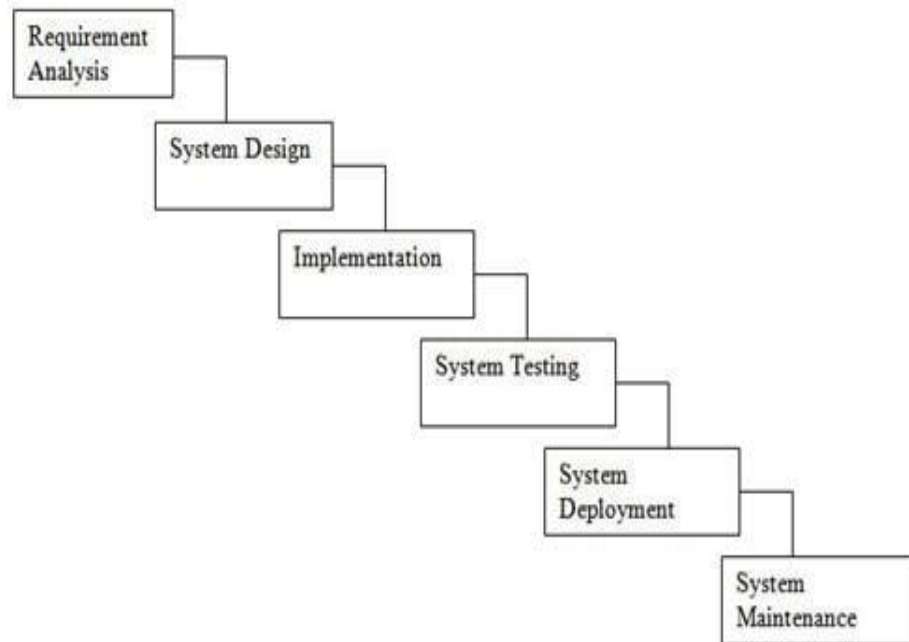
## 6.Feedback

Name	Type	Constraint	Description
feedback_id	int(11)	Not Null	Feedback id
feedback_date	timestamp	Not Null	Feedback date
feedback_msg	text	Not Null	Feedback message
user_name	varchar(50)	Not Null	User name
Email_id	varchar(100)	Not Null	Email id

# SYSTEM DESING

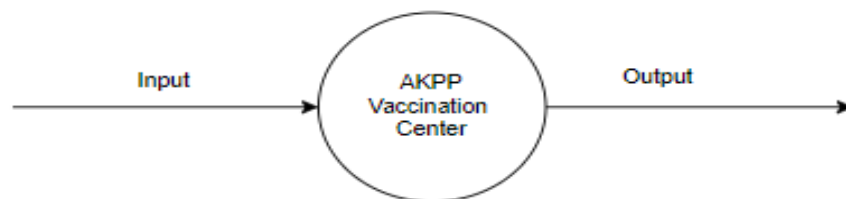
## 1.SYSTEM DEVELOPMENT LIFE CYCLE

The process model used for this system “classic life cycle” as this is simple and is best for small scale project.

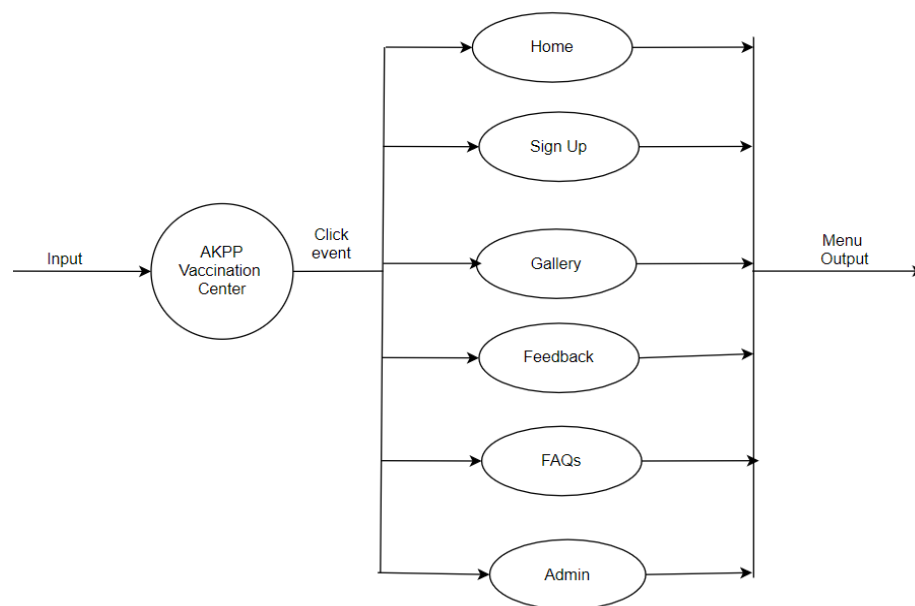


## 2. Data Flow Diagram

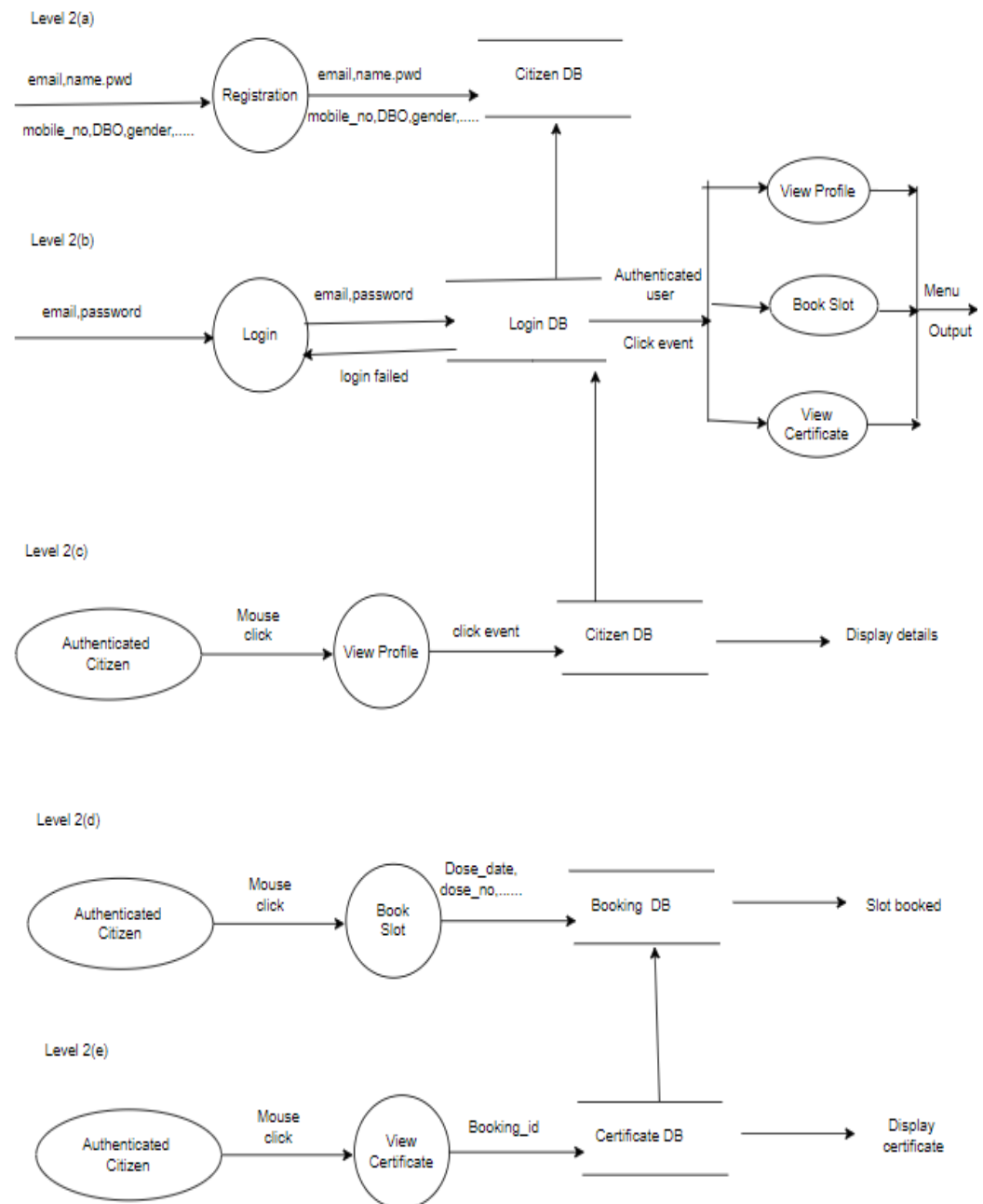
### 0th Level DFD



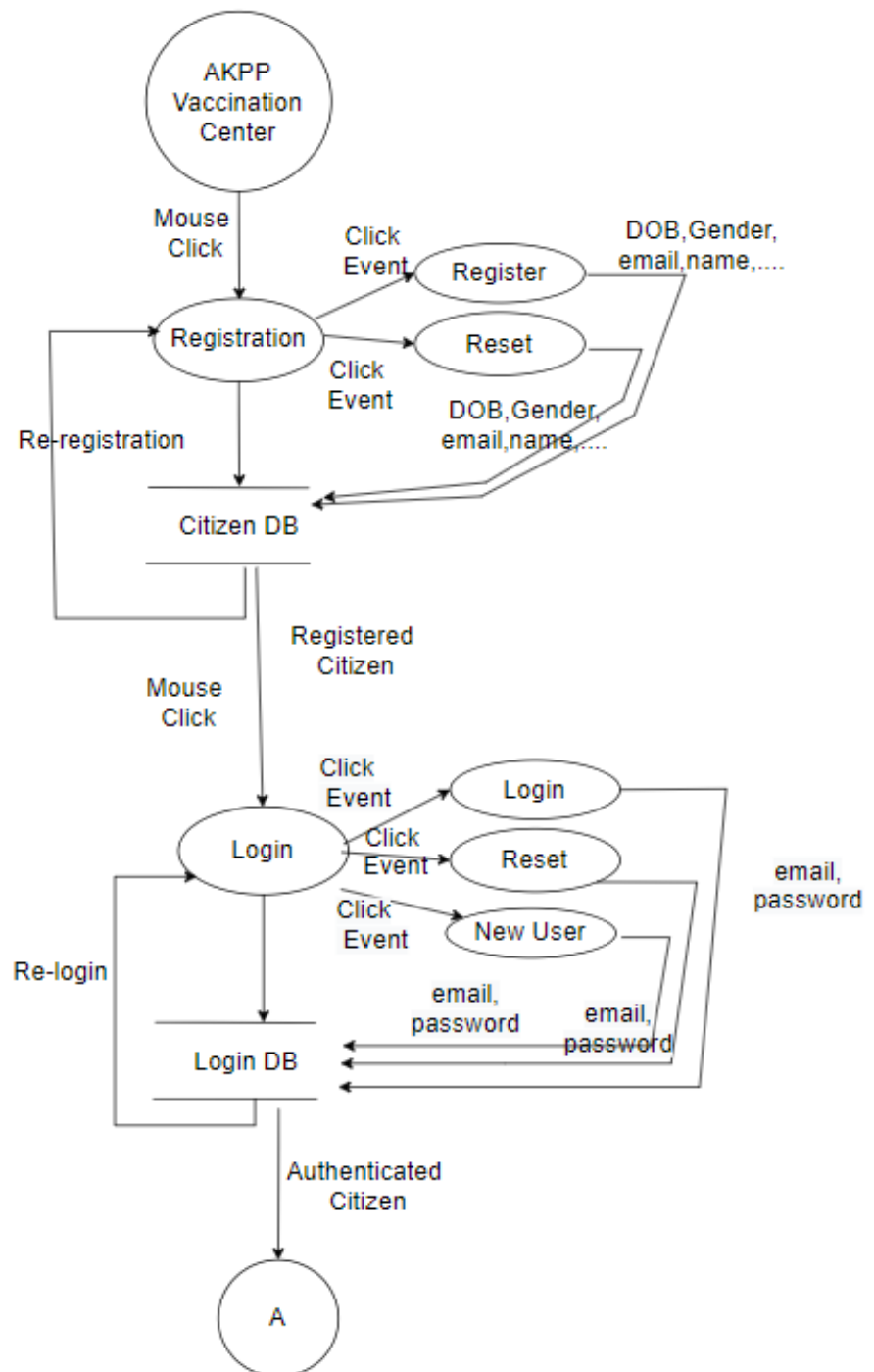
### 1st Level DFD

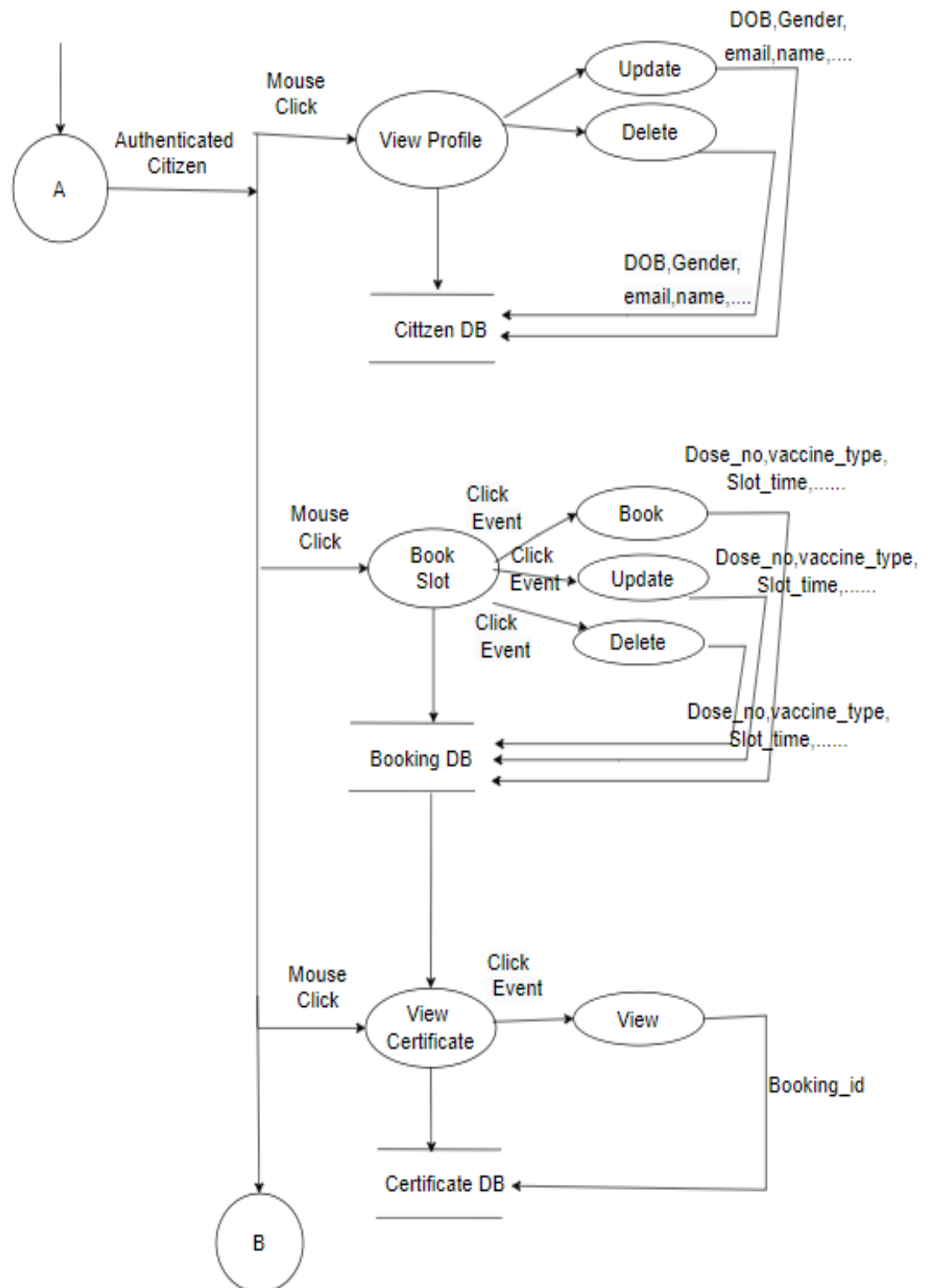


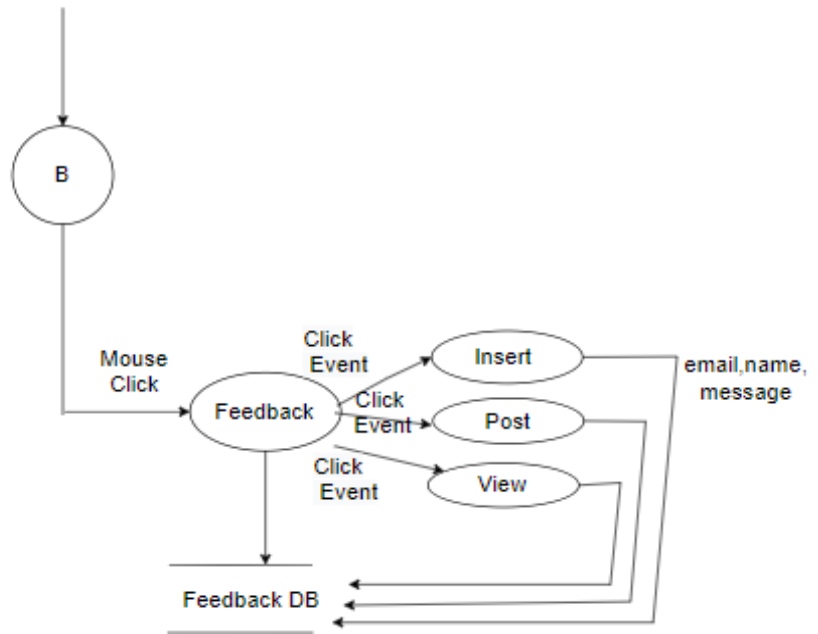
## 2nd Level DFD



### 3<sup>rd</sup> Level DFD

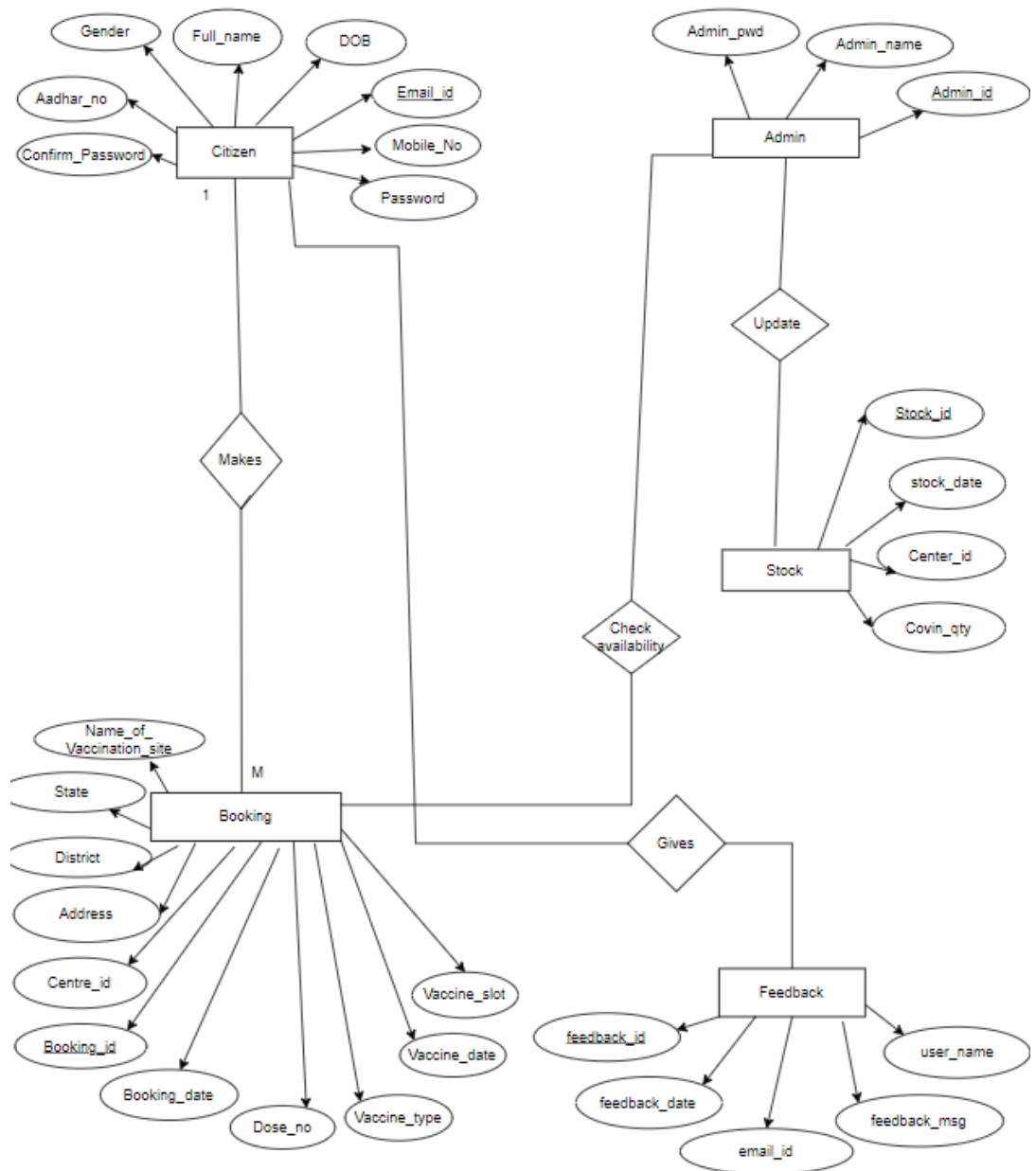




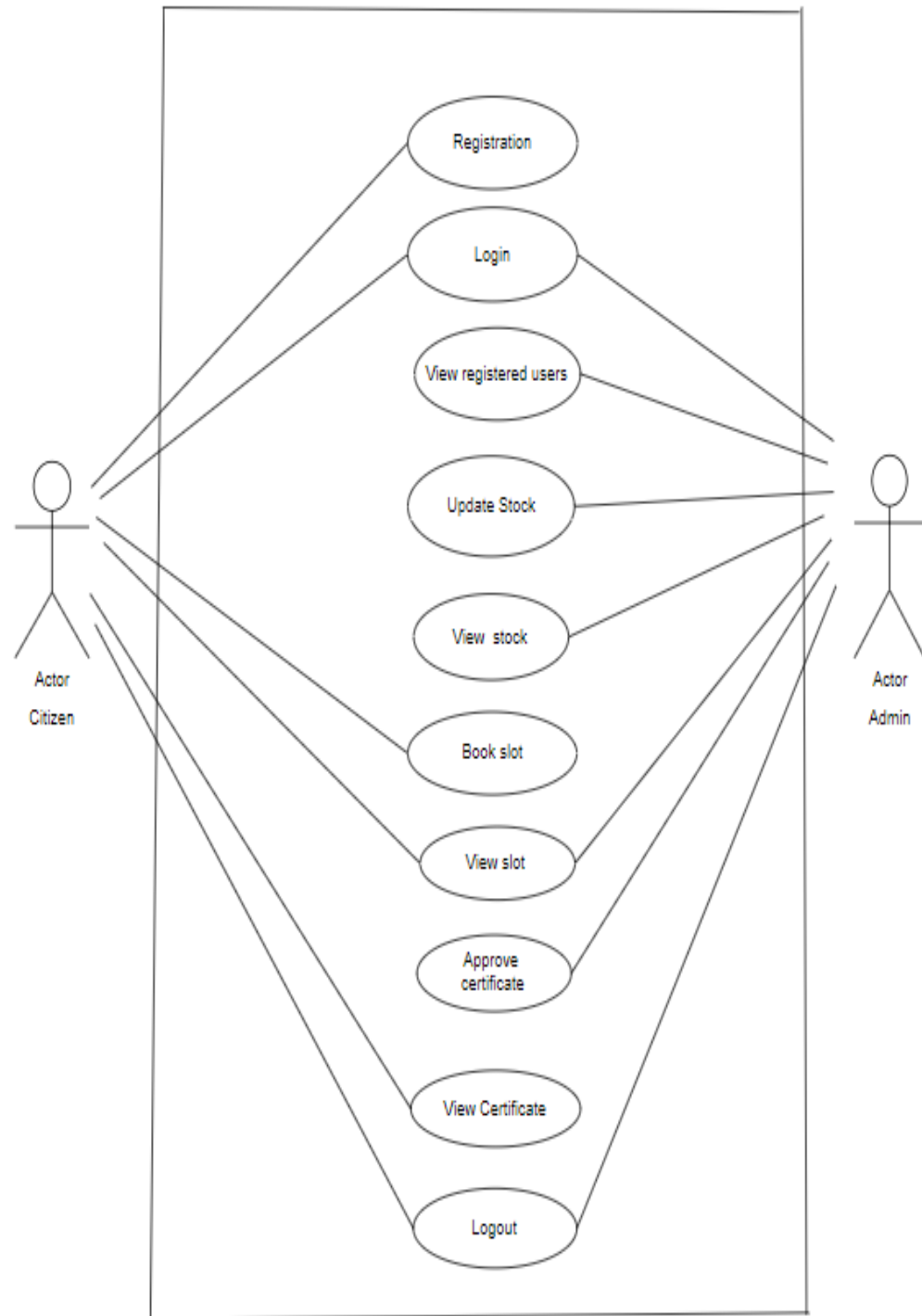




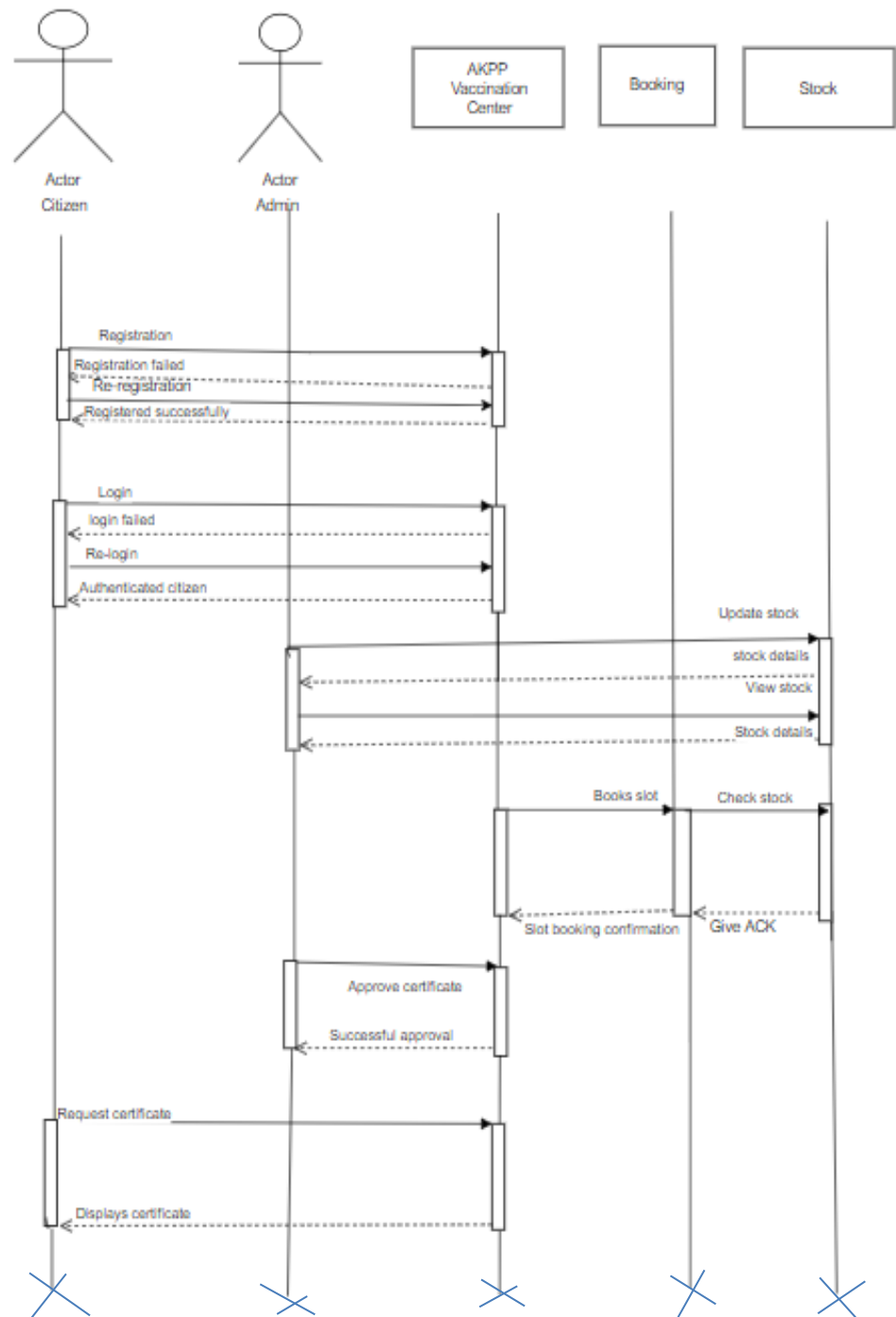
### 3. Entity Relationship Diagram



## 4. Use case Diagram



## 5. Sequence Diagram



# SCREEN SHOTS

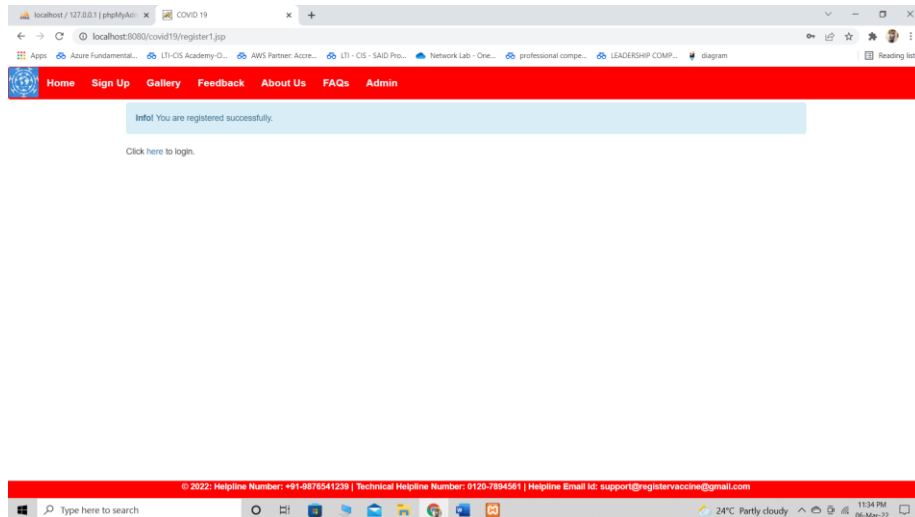
## Home page



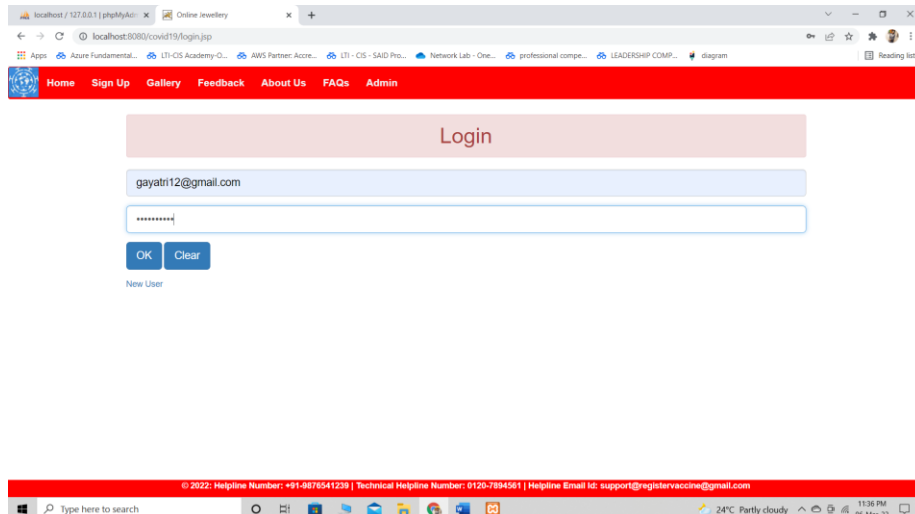
## Registration page

A screenshot of a web browser displaying the registration page of the AKPP Vaccine Centre. The page has a red header with the title "Register" and a sub-header "Please fill in this form to create an account". The form contains several input fields: Email (pre-filled with "govind12@gmail.com"), Password, Repeat Password, Full Name (pre-filled with "Govind Sore"), Mobile Number (pre-filled with "989841238"), Aarhar Number (pre-filled with "70905417952"), Gender (pre-filled with "Female"), and Birth Date (pre-filled with "01-10-1999"). Below the form, there is a green "Register" button. At the bottom of the page, there is a red footer with copyright information and contact details: "© 2022. Helpline Number: +91 9876541239 | Technical Helpline Number: 0120-7804561 | Helpline Email Id: support@registervaccine@gmail.com".

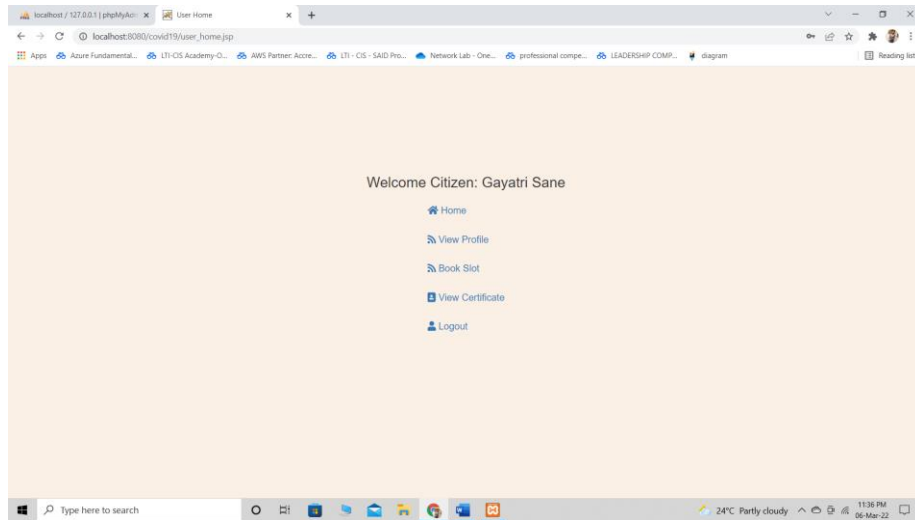
## Successful registration



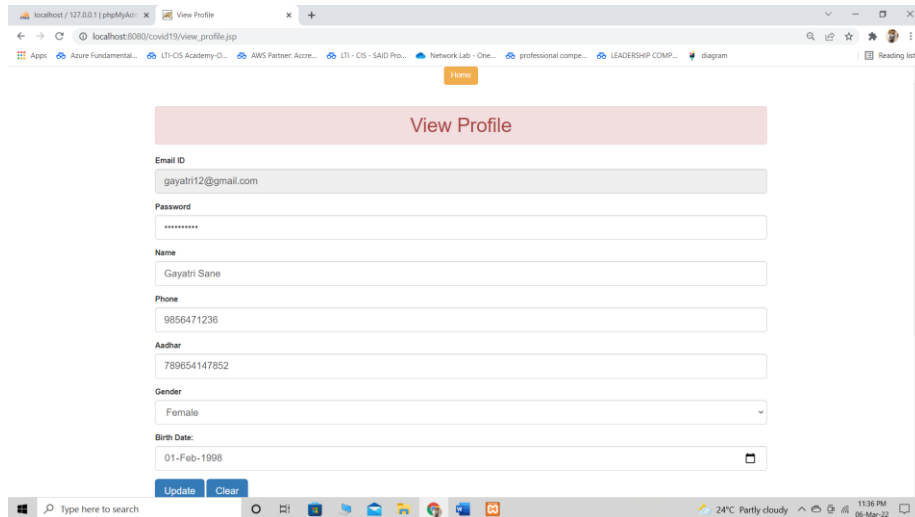
## Login page

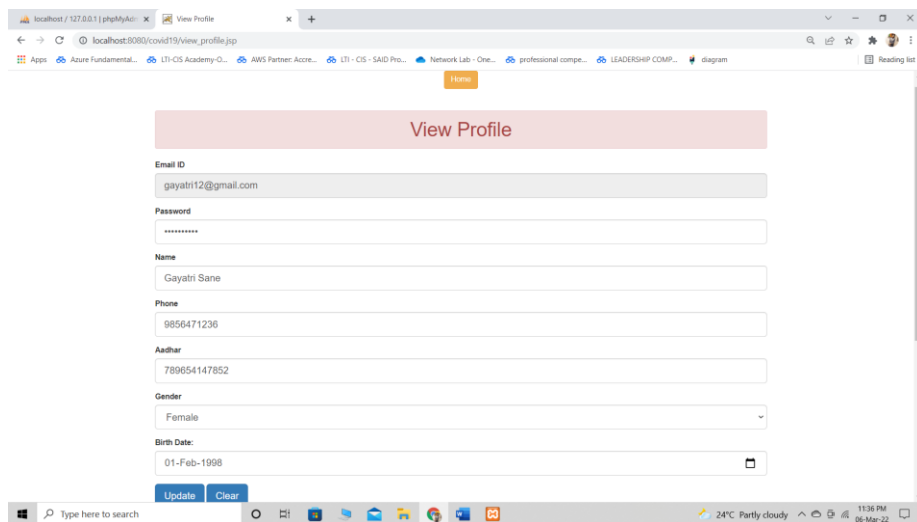
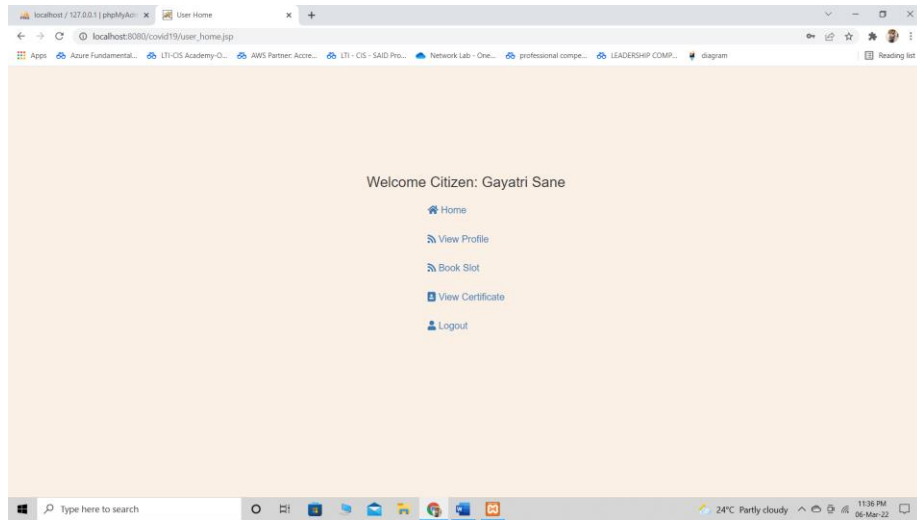


## Home page for citizen

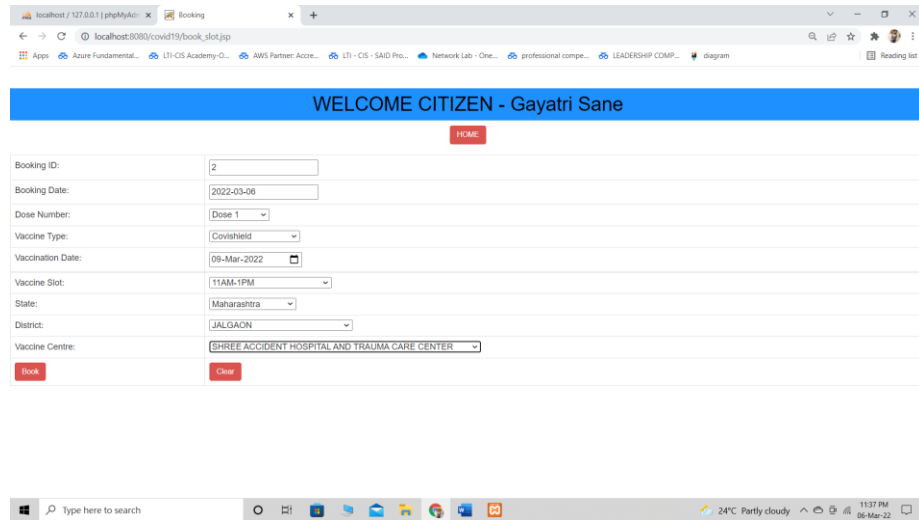


## View citizen details





## Slot details



localhost / 127.0.0.1 | phpMyAdmin x Booking x +

localhost:5080/covid19/book\_slot.jsp

Apps Azure Fundamental... LTI-CIS Academy-O... AWS Partner: Acce... LTI - CIS - SAID Pro... Network Lab - One... professional compe... LEADERSHIP COMP... diagram Reading list

WELCOME CITIZEN - Gayatri Sane

HOME

Booking ID: 2

Booking Date: 2022-03-06

Dose Number: Dose 1

Vaccine Type: Covishield

Vaccination Date: 09-Mar-2022

Vaccine Slot: 11AM-1PM

State: Maharashtra

District: JALGAON

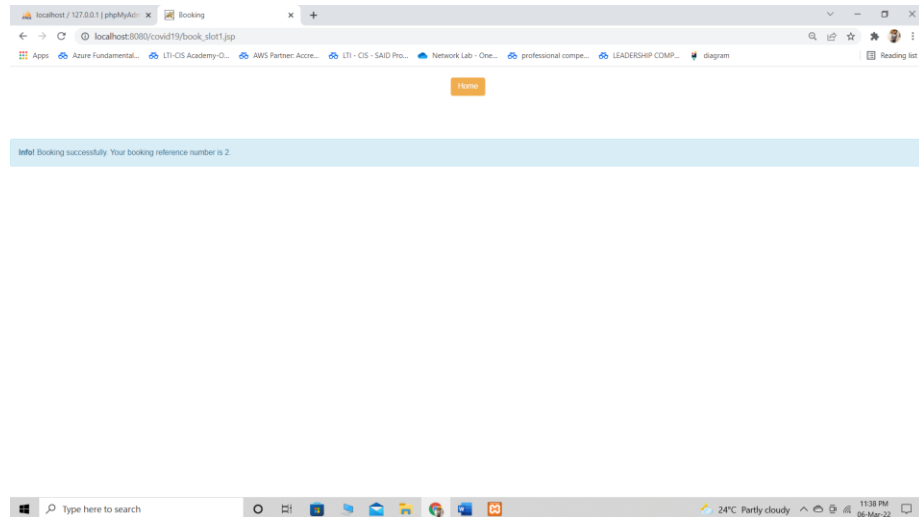
Vaccine Centre: SHREE ACCIDENT HOSPITAL AND TRAUMA CARE CENTER

Book Clear

Type here to search

24°C Partly cloudy 11:37 PM 06-Mar-22

## Successful slot booking



localhost / 127.0.0.1 | phpMyAdmin x Booking x +

localhost:5080/covid19/book\_slot.jsp

Apps Azure Fundamental... LTI-CIS Academy-O... AWS Partner: Acce... LTI - CIS - SAID Pro... Network Lab - One... professional compe... LEADERSHIP COMP... diagram Reading list

Home

Info! Booking successfully. Your booking reference number is 2.

Type here to search

24°C Partly cloudy 11:38 PM 06-Mar-22



localhost / 127.0.0.1 | phpMyKoi x booking x +

localhost:8080/covid19/book\_slot1.jsp

WELCOME CITIZEN - Gayatri Sane

HOME

Booking ID:	<input type="text" value="2"/>
Booking Date:	<input type="text" value="2022-03-06"/>
Dose Number:	<input type="text" value="Dose 1"/>
Vaccine Type:	<input type="text" value="Covishield"/>
Vaccination Date:	<input type="text" value="09-Mar-2022"/>
Vaccine Slot:	<input type="text" value="11AM-1PM"/>
State:	<input type="text" value="Maharashtra"/>
District:	<input type="text" value="JALGAON"/>
Vaccine Centre:	<input type="text" value="SHREE ACCIDENT HOSPITAL AND TRAUMA CARE CENTER"/>
<input type="button" value="Book"/>	<input type="button" value="Clear"/>

Type here to search

24°C Partly cloudy 11:37 PM 06-Mar-22

localhost / 127.0.0.1 | phpMyKoi x booking x +

localhost:8080/covid19/book\_slot1.jsp

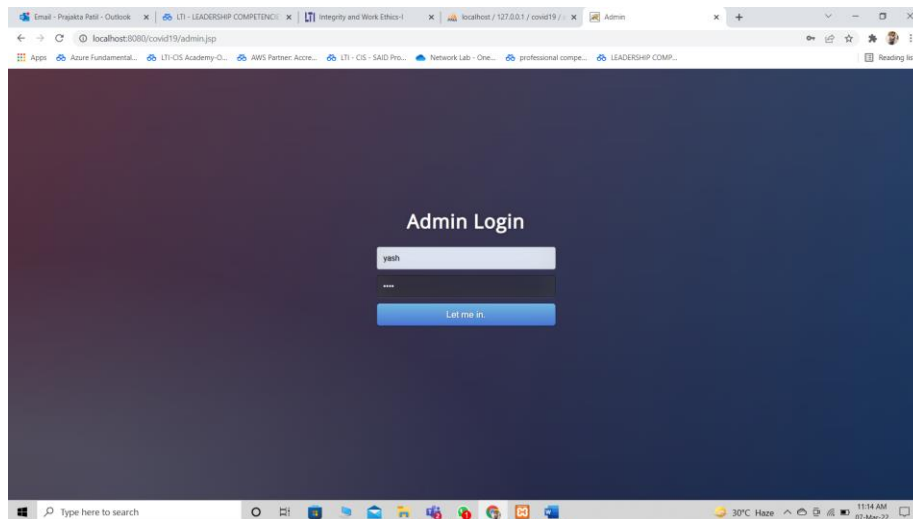
THANKS

Info! Booking successfully. Your booking reference number is 2.

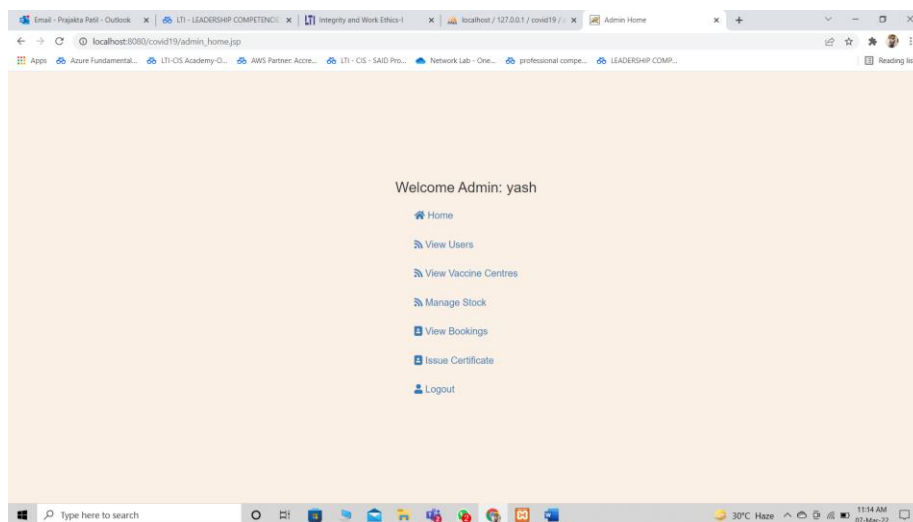
Type here to search

24°C Partly cloudy 11:38 PM 06-Mar-22

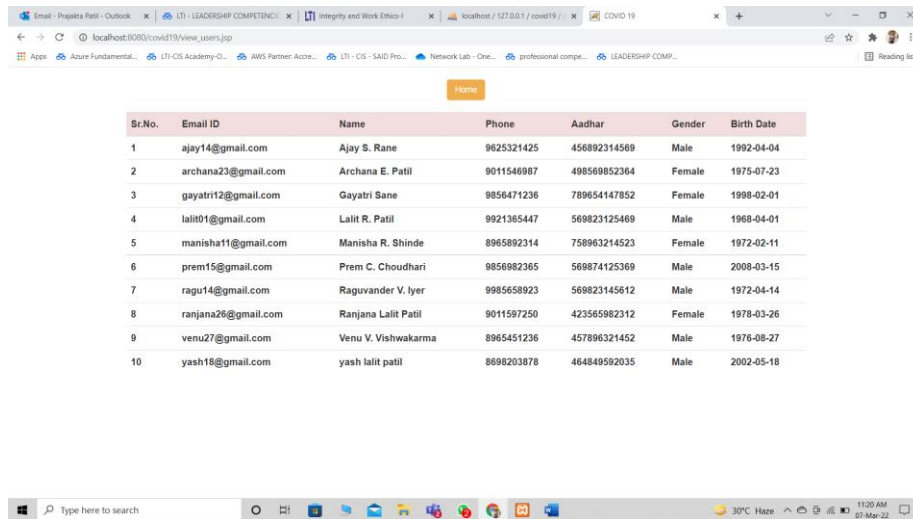
## Admin login



## Admin home page

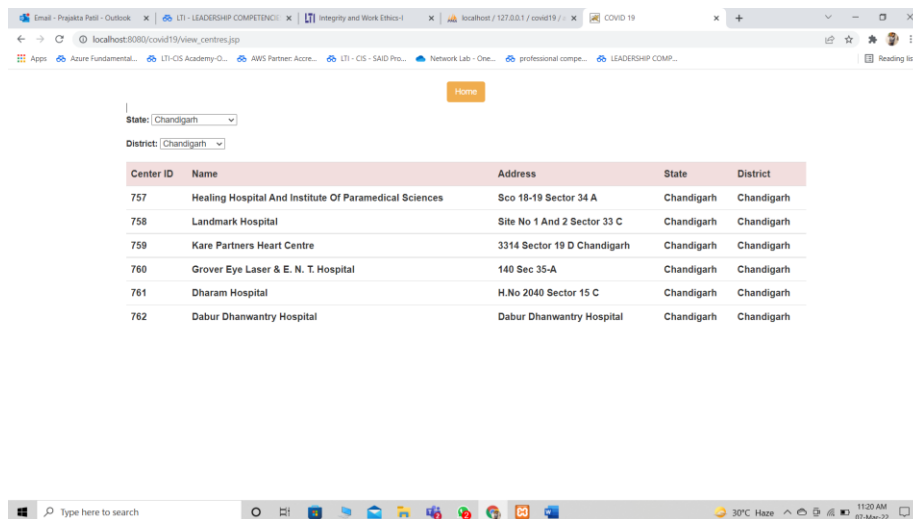


## Registered citizen details



Sr.No.	Email ID	Name	Phone	Aadhar	Gender	Birth Date
1	ajay14@gmail.com	Ajay S. Rane	9625321425	456892314569	Male	1992-04-04
2	archana23@gmail.com	Archana E. Patil	9011546987	496569852364	Female	1975-07-23
3	gayatri12@gmail.com	Gayatri Sane	9856471236	789654147852	Female	1998-02-01
4	lalit01@gmail.com	Lalit R. Patil	9921365447	569823125469	Male	1968-04-01
5	manisha11@gmail.com	Manisha R. Shinde	8965892314	758963214523	Female	1972-02-11
6	prem15@gmail.com	Prem C. Choudhari	9856982365	569874125369	Male	2008-03-15
7	ragu14@gmail.com	Raguvander V. Iyer	9985658923	569823145612	Male	1972-04-14
8	ranjana26@gmail.com	Ranjana Lalit Patil	9011597250	423565982312	Female	1978-03-26
9	venu27@gmail.com	Venu V. Vishwakarma	8965451236	457896321452	Male	1976-08-27
10	yash18@gmail.com	yash lalit patil	8698203878	464849592035	Male	2002-05-18

## Centre details



Center ID	Name	Address	State	District
757	Healing Hospital And Institute Of Paramedical Sciences	Sco 18-19 Sector 34 A	Chandigarh	Chandigarh
758	Landmark Hospital	Site No 1 And 2 Sector 33 C	Chandigarh	Chandigarh
759	Kare Partners Heart Centre	3314 Sector 19 D Chandigarh	Chandigarh	Chandigarh
760	Grover Eye Laser & E. N. T. Hospital	140 Sec 35-A	Chandigarh	Chandigarh
761	Dharam Hospital	H.No 2040 Sector 15 C	Chandigarh	Chandigarh
762	Dabur Dhanwantry Hospital	Dabur Dhanwantry Hospital	Chandigarh	Chandigarh

## Update stock

WELCOME ADMIN - yash

HOME

Stock ID:

Stock Date:

Vaccine Centre:

Covishield Qty:

Covaxin Qty:

Sputnik Qty:

Stock ID	Stock Date	Center ID	Covishield	Covaxin	Sputnik	Delete	Update
1	2022-03-08	11	50	50	50	<input type="button" value="Delete"/>	<input type="button" value="Update"/>
2	2022-03-10	1	57	52	58	<input type="button" value="Delete"/>	<input type="button" value="Update"/>

## Issue certificate

Home

Booking ID:

localhost / 127.0.0.1 / covid19 / x Meet - kkp-myrr-jy COVID 19

localhost:8080/covid19/issue\_certificate.jsp

Booking ID:

Submit

Email - Pragata Patel - Outlook x ITI - LEADERSHIP COMPETENCE x ITI Integrity and Work Ethics - 1 x localhost / 127.0.0.1 / covid19 / x Stock

localhost:8080/covid19/manage\_stock.jsp

## WELCOME ADMIN - yash

HOME

Stock ID:

Stock Date:

Vaccine Centre:

Covishield Qty:

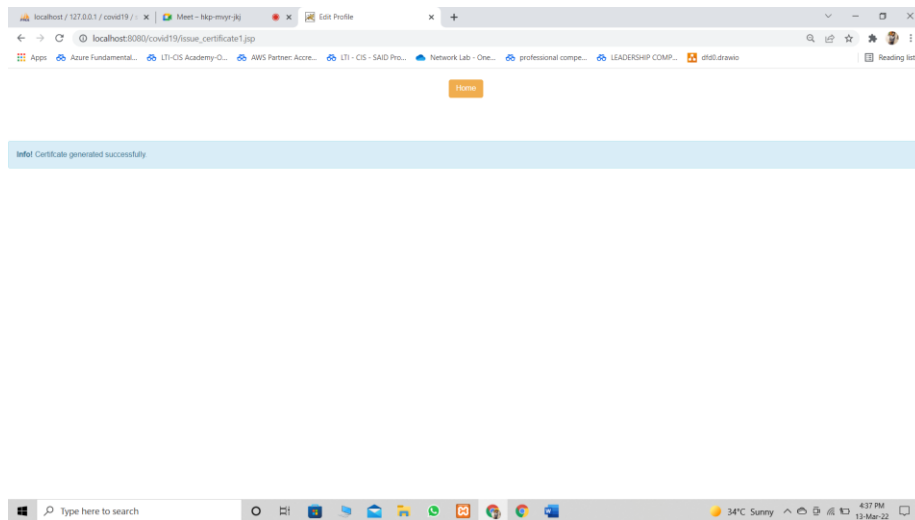
Covaxin Qty:

Sputnik Qty:

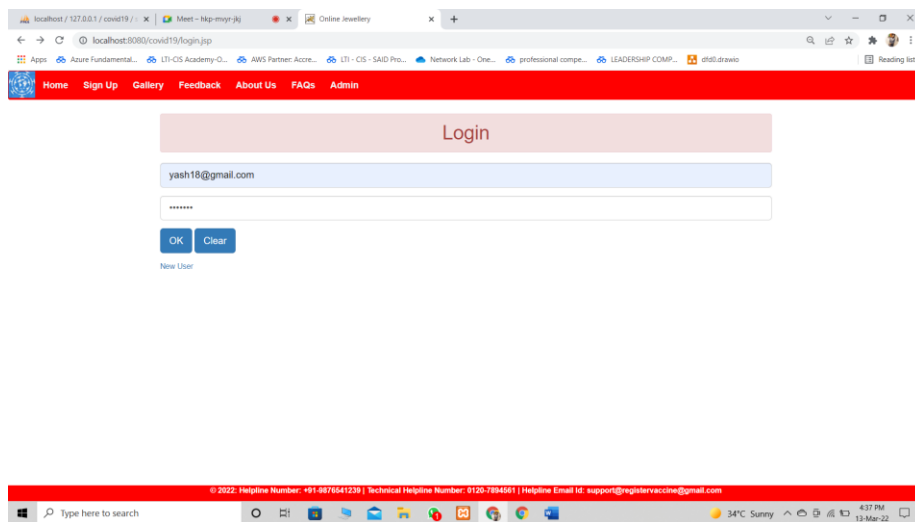
Add Clear

Stock ID	Stock Date	Center ID	Covishield	Covaxin	Sputnik		
1	2022-03-08	11	50	50	50	Delete	Update
2	2022-03-10	1	57	52	58	Delete	Update

## Confirmation message



## Citizen login



## Certificate for Polio

Ministry of Health & Family Welfare  
Government of India

Certificate provided by AKPP Vaccine Center  
Issued in India by Ministry of Health & Family Welfare, Govt. of India

Beneficiary Details:	
Full Name:	yash latil patil
Gender:	Male
Birth Date:	2003-05-18
Email:	yash18@gmail.com
Mobile:	9856471236
Vaccination Details:	
Booking Reference No:	1
Booking Date:	2022-03-13
Dose Number:	1
Vaccine Type:	Polio
Vaccine Date:	2022-03-15
Vaccination Site:	BHIRUD HOSPITAL

## Login page

Home Sign Up Gallery Feedback About Us FAQs Admin

Login

ajay14@gmail.com

\*\*\*\*\*

OK Clear

New User

© 2022 Helpline Number: +91-987641239 | Technical Helpline Number: 0120-7894561 | Helpline Email Id: support@registervaccine@gmail.com

## Registration detail page

View Profile

Email ID  
ajay14@gmail.com

Password  
\*\*\*\*\*

Name  
Ajay S. Rane

Phone  
9625321425

Aadhar  
423565982312

Gender  
Male

Birth Date  
14-Mar-1963

Update Clear

## Update details

View Profile

Email ID  
ajay14@gmail.com

Password  
\*\*\*\*\*

Name  
Ajay S. Ranale

Phone  
9625321425

Aadhar  
423565982312

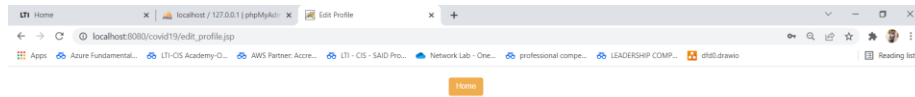
Gender  
Male

Birth Date  
14-Mar-1965

Update Clear

## Details updated successfully page

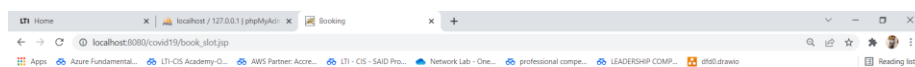




Info! Profile updated successfully



## Slot booking

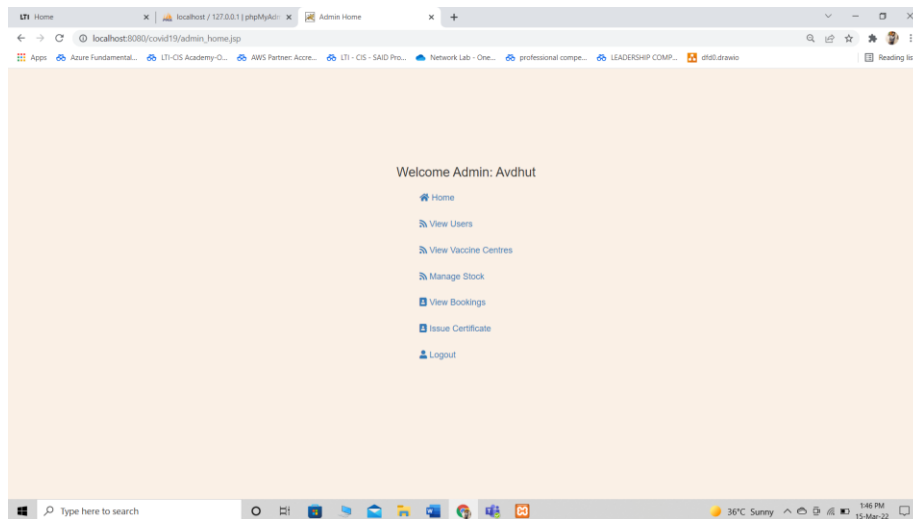


WELCOME CITIZEN - Ajay S. Rane

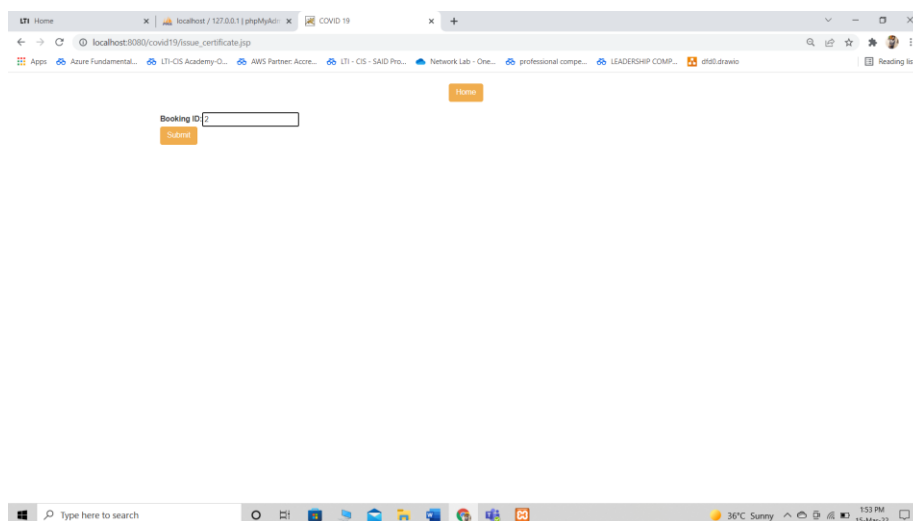
Booking ID:	<input type="text" value="2"/>
Booking Date:	<input type="text" value="2022-03-15"/>
Dose Number:	<input type="text" value="Dose 1"/>
Vaccine Type:	<input type="text" value="Rotavirus"/>
Vaccination Date:	<input type="text" value="17-Mar-2022"/>
Vaccine Slot:	<input type="text" value="11AM-1PM"/>
State:	<input type="text" value="Kerala"/>
District:	<input type="text" value="Alappuzha"/>
Vaccine Centre:	<input type="text" value="Christos Hospital"/>
<input type="button" value="Book"/>	<input type="button" value="Clear"/>



## Admin home page



## Issue certificate



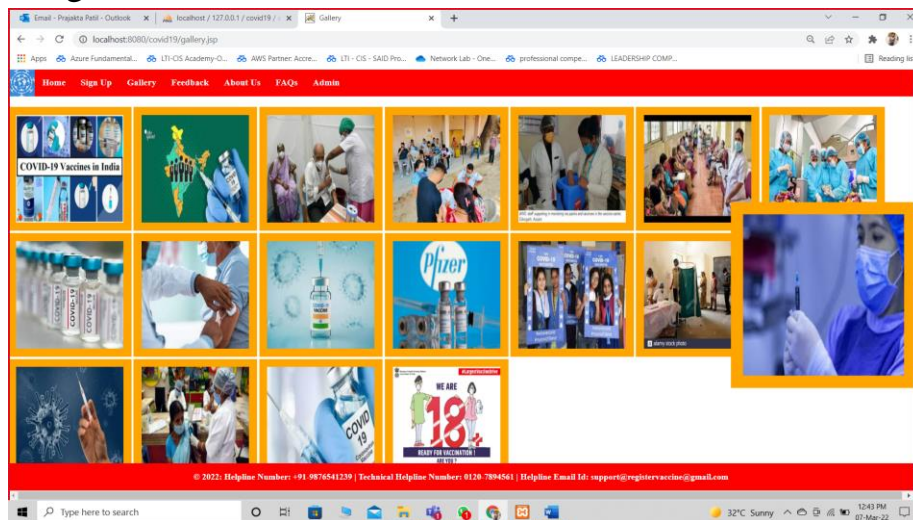
## Certificate for Rotavirus

Ministry of Health & Family Welfare  
Government of India

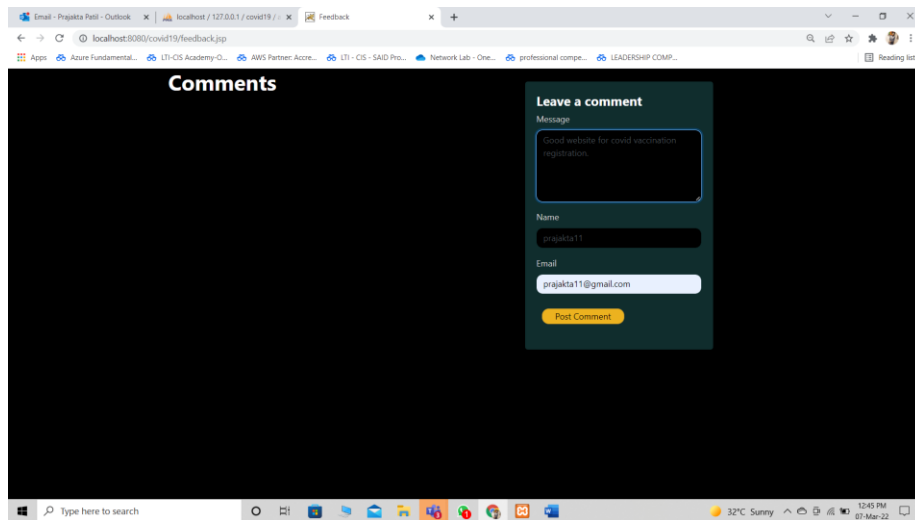
**Certificate provided by AKPP Vaccine Center**  
Issued in India by Ministry of Health & Family Welfare, Govt. of India

Beneficiary Details:	
Full Name:	Ajay S. Ranale
Gender:	Male
Birth Date:	1965-03-14
Email:	ajay14@gmail.com
Mobile:	9625321425
Vaccination Details:	
Booking Reference No:	2
Booking Date:	2022-03-15
Dose Number:	1
Vaccine Type:	Rotavirus
Vaccine Date:	2022-03-17
Vaccination Site:	Christos Hospital

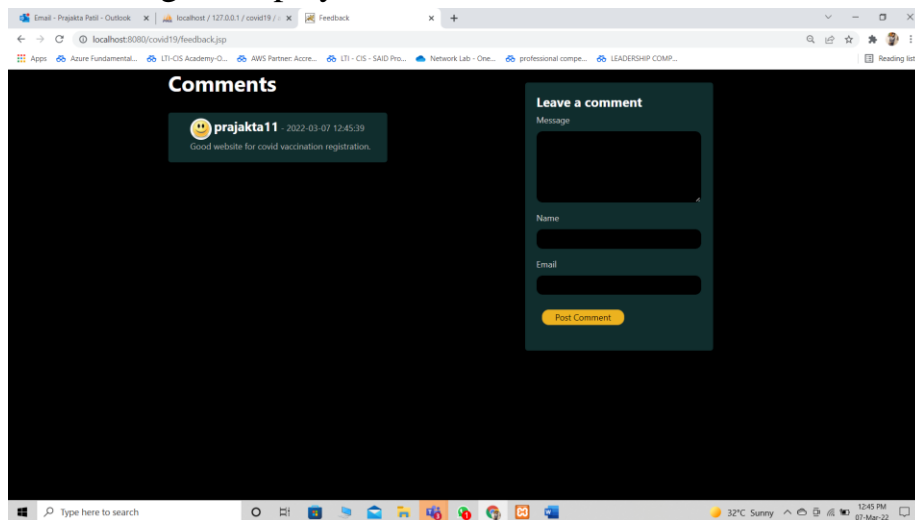
## Image



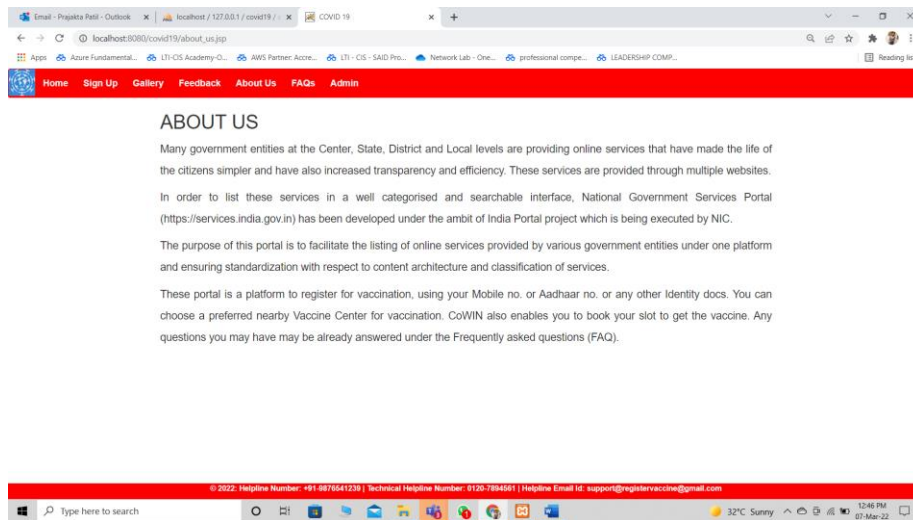
## Enter feedback



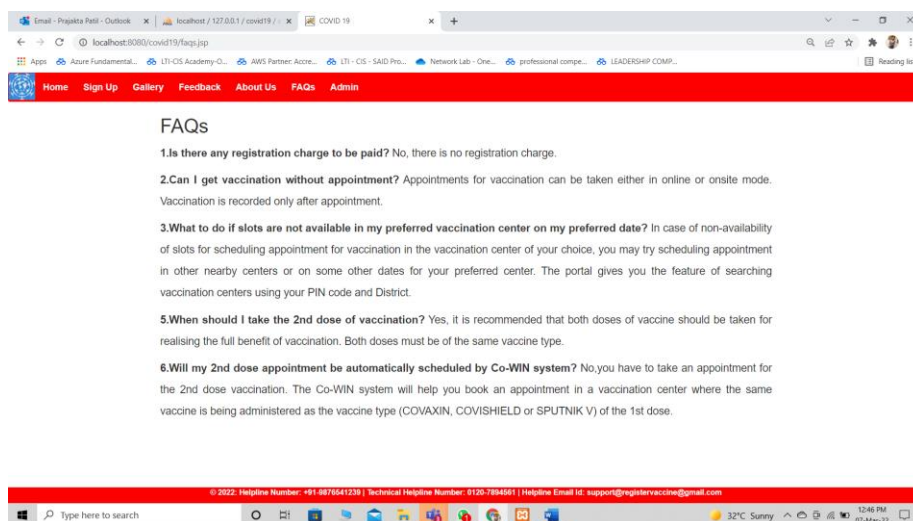
## Feedback gets displayed



## About us



## FAQ's



# VALIDATION CHECKS

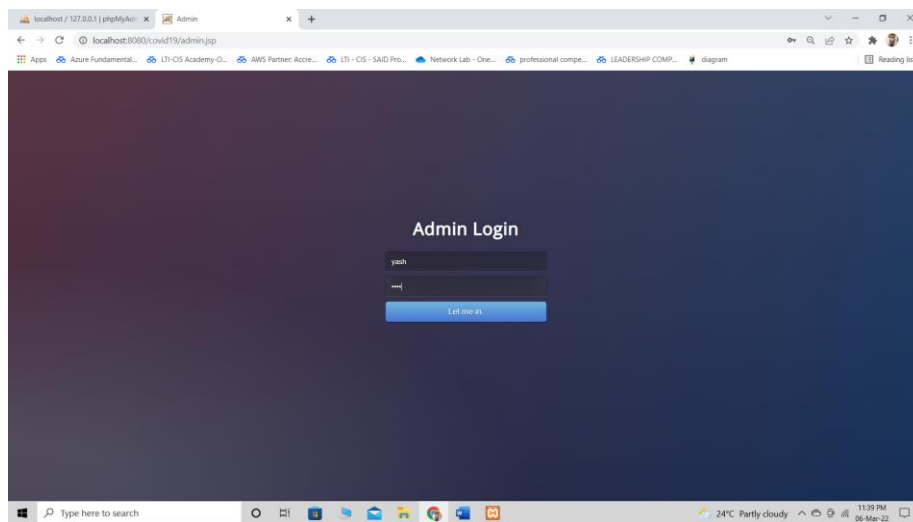
## Incorrect citizen login

The screenshot shows a web browser window with the URL `localhost:5080/covid19/login.jsp`. The page has a red navigation bar with links: Home, Sign Up, Gallery, Feedback, About Us, FAQs, Admin. Below the navigation bar is a light pink box with the text "Login". Underneath, there are two input fields: the first contains "gayatri11@gmail.com" and the second contains "\*\*\*\*\*". Below the input fields are two buttons: "OK" and "Clear". At the bottom of the login section, there is a link "New User". The footer of the page is red and contains the text: "© 2022: Helpline Number: +91-9878541239 | Technical Helpline Number: 0120-7894561 | Helpline Email Id: support@registervaccine@gmail.com". The Windows taskbar at the bottom shows the search bar, task view, and system tray with the date "06-Mar-22" and time "11:35 PM".

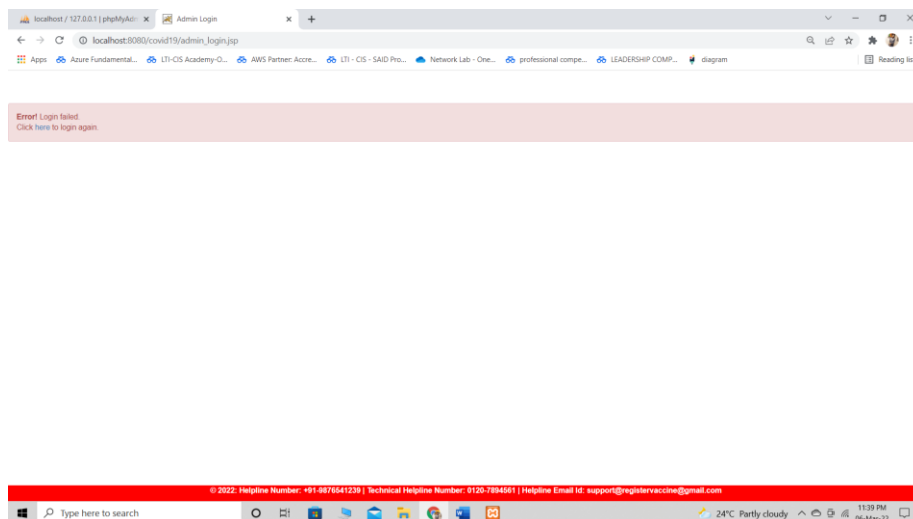
## Error message

The screenshot shows the same web browser window as above, but now displaying an error message. A yellow box with the text "Warning! Login Failed!!." is centered on the page. Below this box is a link "Click here to login again.". The rest of the page, including the navigation bar and footer, remains the same as in the previous screenshot.

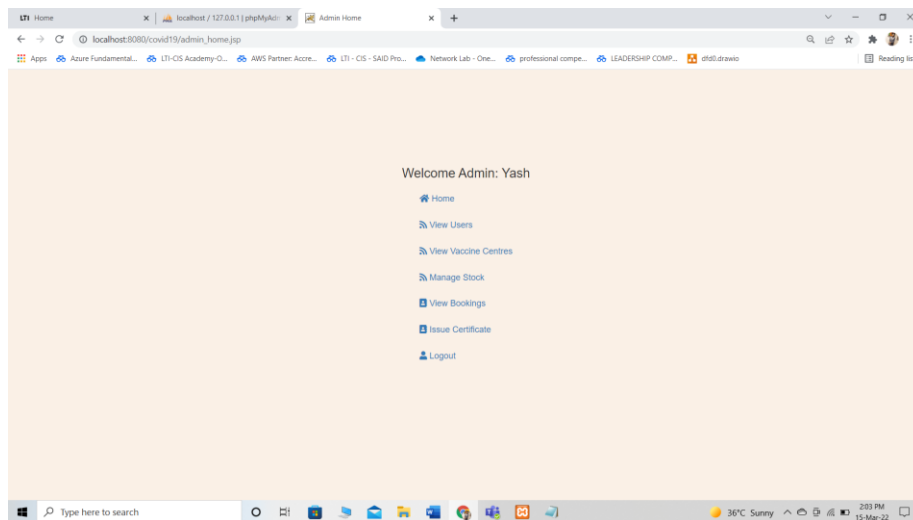
## Incorrect Admin login



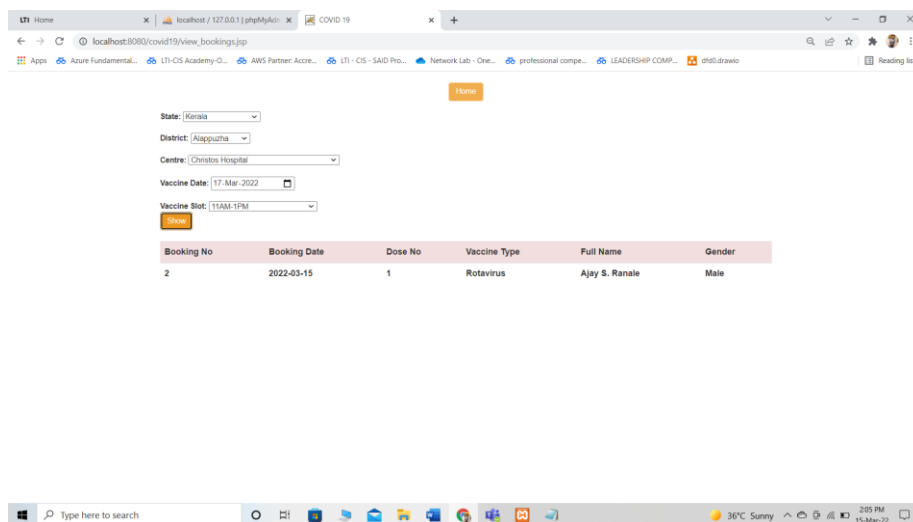
## Error message



## Admin page



## Incorrect date booking





## IMPLEMENTATION

1. Block slot:-

```
<script type='text/javascript'>
function get(s)
{
    obj = new XMLHttpRequest();
    obj.open("GET","get_districts1.jsp?state="+s,true);
    obj.send();
    obj.onreadystatechange = function()
    {
        if(obj.readyState == 4 && obj.status==200)
        {

            document.getElementById("dist").innerHTML=
                obj.responseText;

        }
    };
}

function get1(s)
{
    obj = new XMLHttpRequest();
    obj.open("GET","get_centres1.jsp?dist="+s,true);
    obj.send();
    obj.onreadystatechange = function()
    {
        if(obj.readyState == 4 && obj.status==200)
        {

            document.getElementById("info").innerHTML=
                obj.responseText;

        }
    };
}
```

```

        }
    };
}

function validate()
{
    bdate = document.getElementById("bdate").value;
    vdate = document.getElementById("vdate").value;

    b_date = new Date(bdate);
    v_date = new Date(vdate);

    if(v_date <= b_date)
    {
        alert("Vaccination date should be greater than
Today's date");
        return false;
    }

    return true;
}

</script>
<% @include file="config.jsp"% >
<%
        ResultSet          rs          =
con.createStatement().executeQuery("SELECT
`AUTO_INCREMENT`          FROM
INFORMATION_SCHEMA.TABLES          WHERE
TABLE_SCHEMA = 'covid19' AND TABLE_NAME =
'booking'");
        rs.next();
        String bid = rs.getString(1);
        rs = con.createStatement().executeQuery("select
current_date");
        rs.next();

```

```

        String bdate = rs.getString(1);
    %>
<title>Booking</title>
<link                                rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/b
ootstrap.min.css">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquer
y.min.js"></script>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/boo
tstrap.min.js"></script>
<body>
<br>
<h1                                align="centre"
style='background:DodgerBlue;color:black;padding:10px;'>
WELCOME                                CITIZEN                                -
<%=session.getAttribute("uid")%></h1>
<centre><button    onclick="location.href='user_home.jsp'"
class='btn btn-danger'>HOME</button></centre><br>
<form                method='post'                action="book_slot1.jsp"
onsubmit="return validate()">
<table class="table table-bordered">
<tr>
        <td>Booking ID:</td>
        <td><input type='text' name='bid' value="<%=bid%>"
readOnly></td>
</tr>
<tr>
        <td>Booking Date:</td>
        <td><input type='text' id = "bdate" name='bdate'
value="<%=bdate%>" required></td>
</tr>
<tr>
        <td>Dose Number:</td>
        <td>

```

```

        <select name='dose' required>
        <option value="">Select Dose</option>
        <option value="1">Dose 1</option>
        <option value="2">Dose 2</option>
        </select>
    </td>
</tr>
<tr>
    <td>Vaccine Type:</td>
    <td>
        <select name='vtype' required>
        <option value="">Select Vaccine Type</option>
        <option value="Covishield">Covishield</option>
        <option value="Covaxin">Covaxin</option>
        <option value="Polio">Polio</option>
        <option value="Rabies">Rabies</option>
        <option value="Rotavirus">Rotavirus</option>
        <option value="YellowFever">YellowFever</option>
        </select>
    </td>
</tr>
<tr>
    <td>Vaccination Date:</td>
    <td><input type='date' id="vdate" name='vdate'
required></td>
</tr>
<tr>
    <td>Vaccine Slot:</td>
    <td>
        <select name='vslot' required>
        <option value="">Select Vaccination Time
Slot</option>
        <option value="9AM-11AM">9AM-11AM</option>
        <option value="11A-1PM">11AM-1PM</option>
        <option value="2PM-4PM">2PM-4PM</option>
        <option value="4PM-6PM">4PM-6PM</option>
    </td>
</tr>

```

```

        </select>
      </td>
    </tr>
    <tr>
      <td>State:</td>
      <td>
        <select          name="state"          required
onchange='get(this.value)'>
          <option value="">Select State</option>
        <%
          rs      =      con.createStatement().executeQuery("select
distinct state from vaccine_centres order by state");
          while(rs.next()){
        %>
          <option
value="<%=rs.getString(1)%>"><%=rs.getString(1)%></op
tion>
        <%
          }
        %>
        </select>
      </td>
    </tr>
    <tr>
      <td>District:</td>
      <td>
        <div id="dist">
          <select name="dist" required>
            <option value="">Select District</option>
          </select>
        </div>
      </td>
    </tr>
    <tr>
      <td>Vaccine Centre:</td>
      <td>

```

```

<div id="info">
<select name="cid" required>
<option value="">Select Centre</option>
</select>
</div>
</td>
</tr>
<tr>
<td><input type='submit' value='Book' class='btn btn-
danger'></td>
<td><input type='reset' value='Clear' class='btn btn-
danger'></td>
</tr>
</table>
</form>

```

## 2.View Certificate:-

```

<title></title>
<link                                rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/b
ootstrap.min.css">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquer
y.min.js"></script>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/boo
tstrap.min.js"></script>
<% @include file="config.jsp"%>
<body class="container">
<br>
<centre><a href="user_home.jsp" class="btn btn-
warning">Home</a></centre>
<br>
<%
String email = session.getAttribute("email").toString();

```

```

ResultSet rs = con.createStatement().executeQuery("select
full_name, gender, bdate, citizen.email, mobile, booking_id,
booking_date, dose_no, vaccine_type, vaccine_date,
name_of_the_vaccination_site from citizen, booking,
vaccine_centres where citizen.email = booking.email and
booking.centre_id = vaccine_centres.centre_id and
booking.email='"+email+"' and status='Issued'");
while(rs.next()){
%>
<centre>
<h4>Ministry of Health & Family Welfare</h4>
<h4>Government of India</h4>
<h2>Certificate provided by AKPP Vaccine Centre</h2>
<h5>Issued in India by Ministry of Health & Family Welfare,
Govt. of India</h5>
<table class="table table-hover">
<tr class="danger">
<td colspan=2><b>Beneficiary Details:</b></td></tr>
</tr>
<tr>
<td><b>Full Name:</b></td>
<td><%=rs.getString(1)%></td>
</tr>
<tr>
<td><b>Gender:</b></td>
<td><%=rs.getString(2)%></td>
</tr>
<tr>
<td><b>Birth Date:</b></td>
<td><%=rs.getString(3)%></td>
</tr>
<tr>
<td><b>Email:</b></td>
<td><%=rs.getString(4)%></td>
</tr>
<tr>

```

```

        <td><b>Mobile:</b></td>
        <td><%=rs.getString(5)%></td>
    </tr>
    <tr class="danger">
        <td colspan=2><b>Vaccination Details:</b></th>
    </tr>
    <tr>
        <td><b>Booking Reference No:</b></td>
        <td><%=rs.getString(6)%></td>
    </tr>
    <tr>
        <td><b>Booking Date:</b></td>
        <td><%=rs.getString(7)%></td>
    </tr>
    <tr>
        <td><b>Dose Number:</b></td>
        <td><%=rs.getString(8)%></td>
    </tr>
    <tr>
        <td><b>Vaccine Type:</b></td>
        <td><%=rs.getString(9)%></td>
    </tr>
    <tr>
        <td><b>Vaccine Date:</b></td>
        <td><%=rs.getString(10)%></td>
    </tr>
    <tr>
        <td><b>Vaccination Site:</b></td>
        <td><%=rs.getString(11)%></td>
    </tr>
</table>
<%
    }
%>
</body>

```

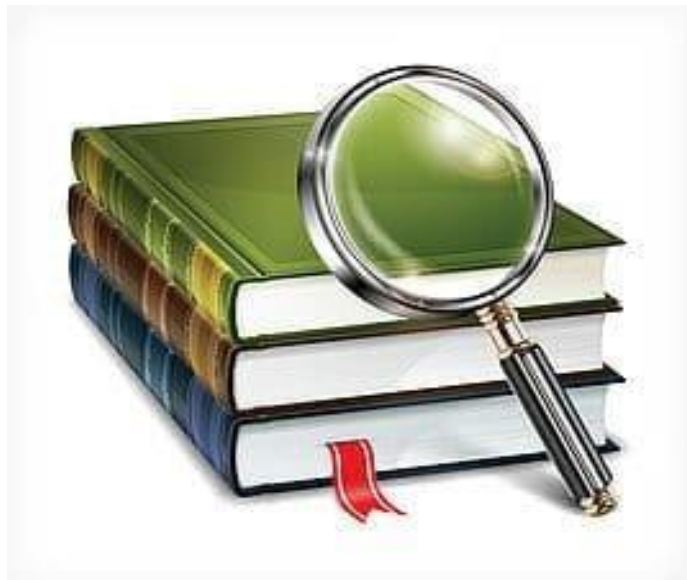




## **FUTURE SCOPE**

- Lot of people are using online platform so majority of people for booking slots of vaccination on websites and apps
- India needs to step up its investment in healthcare service to sustain its economic growth as well as prepare for future health emergencies
- Current portal is limited for India only so, we can add the world wide data in future.
- The future scope shall include the tool showing walk-in options, district tracker and a link to register and schedule an appointment.
- If there are no slots available, users can choose to be notified by the app of when a slot opens up and then users can select a date and will be taken to the Covid Vaccine Portal website to book their appointment.
- The application will focus in a manner that it tallies and converges real time data from the Vaccination digital platform Covid Vaccine Portal.

## BIBLIOGRAPHY



### ❖Reference Books :

1. HEAD FIRST....(for )
2. BLACK BOOK....(for SQL &PL/SQL  
for Oracal

## ❖Websites :

1. <https://www.amazon.in/SQL-Oracle-11g-Black-Book-ebook/dp/B01M02G05A>
2. <https://www.javatpoint.com/html-registration-form>
3. <https://www.tutorialspoint.com/jdbc/jdbc-db-connections.htm>
4. <https://tomcat.apache.org/download-90.cgi>
5. <https://www.apachefriends.org/download.html>

